

1 ADJUSTABLE BANDWIDTH HIGH PASS FILTER FOR LARGE INPUT SIGNAL,
 LOW SUPPLY VOLTAGE APPLICATIONS

5 ABSTRACT OF THE DISCLOSURE

 Often programmable gain attenuators (PGAs) are combined with high pass
filters. Adjustment of the highpass filter however can have unintended effects, such as
changing the step size of the PGA. By placing the resistance of the highpass filter in
parallel with a programmable attenuator divider, the steps of the PGA can be minimally
10 affected as the highpass frequency is adjusted.

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